

CLAIMS

What is claimed is:

- 5 **1.** A fuel cell system comprising:
 a power source;
 a fuel storage unit for containing flowable fuel;
 a first flow path for providing flowable fuel from the fuel storage unit to the
power source;
10 a second flow path for providing flowable fuel which has not been deposited
into the cell cavities within the power source back to the fuel storage unit; and
 a third flow path for providing unused and/or partially used fuel and/or
reaction product(s) and/or spent reaction solution to a one or more of a reaction
product storage unit, the fuel storage unit, and the second flow path.
15 **2.** The system of claim 1 further comprising a scrubber for removing
carbon dioxide from a source of oxygen for an oxygen reduction reaction occurring
within the cells of the power source.
 3. The system of claim 1 further comprising a demister for removing
liquid droplets from air expelled from the cell cavities of the power source.
20 **4.** The system of claim 1 further comprising a voltage booster for
boosting the voltage output of the fuel cell system.